

[54] **TABLET WITH IMPROVED PEN HEIGHT COMPENSATION**

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[57] **ABSTRACT**

An improved operation is provided for a graphic tablet of the type in which a pen is capacitively coupled to sets of X dimension wires and Y dimension wires that are digitally activated to produce a pen signal that signifies the position of the pen on the tablet. Compensation is provided for variations in the pen signal that are attributable only to differences in the height of the pen above the tablet as the pen is operated over intervening layers of paper of various thicknesses. The drivers that activate the tablet are controlled to establish a sequence of different activation patterns and a corresponding sequence of analog pen signals. These signals are operated on to produce a pen position address that is substantially compensated for variations in pen height.

7 Claims, 7 Drawing Figures

